

Title (en)  
BOTTOM BRACKET SHELL ASSEMBLY AND BICYCLE

Title (de)  
UNTERE HALTERUNGSSCHALENANORDNUNG UND FAHRRAD

Title (fr)  
ENSEMBLE BOÎTIER DE PÉDALIER ET BICYCLETTE

Publication  
**EP 3050787 B1 20180801 (EN)**

Application  
**EP 16153254 A 20160129**

Priority  
US 201562110323 P 20150130

Abstract (en)  
[origin: EP3050787A1] A bottom bracket shell (32, 132, 232) assembly includes left and right sidewalls (38, 40, 338, 340, 438, 440, 538, 540). The left and right sidewalls each include a peripheral rim and a lateral surface (44, 344). The lateral surfaces (44, 344) define a generally circular void. A bearing support is disposed at the voids of the left and right sidewalls (38, 40, 338, 340, 438, 440, 538, 540). Left and right first bosses project away from the left and right sidewalls at a periphery of the lateral surface (44, 344). The first bosses include boss ends configured to connect to a first tubular member. The left and right sidewalls (38, 40, 338, 340, 438, 440, 538, 540) are joined at the peripheral rim to form contiguous front and rear surfaces. The present disclosure maximizes the strength to weight ratio for low modulus frame materials.

IPC 8 full level  
**B62K 19/34** (2006.01)

CPC (source: EP US)  
**B21D 26/033** (2013.01 - US); **B21D 53/86** (2013.01 - US); **B23K 1/0008** (2013.01 - US); **B23K 31/02** (2013.01 - US); **B62K 3/02** (2013.01 - US); **B62K 19/34** (2013.01 - EP US); **F16C 35/00** (2013.01 - US)

Cited by  
CN111776118A

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